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(21)Application number : **10-021615** (71)Applicant : **CASIO COMPUT CO LTD**

(22)Date of filing : **20.01.1998** (72)Inventor : **TAKI MASAHIDE**  
**YAMAGUCHI YOSHITO**

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## **(54) ELECTRONIC MAIL DEVICE AND MEDIUM RECORDED WITH ELECTRONIC MAIL PROGRAM**

### **(57)Abstract:**

**PROBLEM TO BE SOLVED:** To make it possible to surely notify a receiver of contents of a mail and to reduce a transmitter's load by transmitting a mail including a data designation on an appropriate date.

**SOLUTION:** A CPU 1 operates according to a program of a ROM 2 and, when data of date designation are inputted together with a specific word from a key board 4, they are stored in a RAM 4 and transmitted as a mail including the date designation when a transmission instruction is inputted from a mouse 6. In the meantime, when a mail including the date designation is received, and whose designated date is a little earlier than the current date and, when the current date read out from a clock 7 reach the designated date, the mail is automatically opened and a display part 5 is made to display it.

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## DETAILED DESCRIPTION

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[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the medium which recorded the program of electronic mail equipment and an electronic mail.

[0002]

[Description of the Prior Art] In conventional electronic mail equipment, a transmitting person can transmit mail of the advice of holding of a board etc., when convenient for himself. And even when there is no addressee near the e-mail terminal unit even if, the mail can be received, and an addressee can know the content by opening the mail, when convenient. However, when mail of advice of these board holding etc. is early transmitted too much from a schedule date, even if an addressee opens the mail and he becomes the schedule date if compelled, he has a possibility of forgetting the content of e-mail. Moreover, when the specified date comes like congratulation mail of a birthday, an addressee has to open. Then, in conventional electronic mail equipment, the date was aimed at and e-mail was transmitted.

[0003]

[Problem(s) to be Solved by the Invention] However, if the transmitting situation at that time is bad by chance even when the date is aimed at and it transmits, the mail will not reach an addressee. Moreover, even if it is able to transmit e-mail, when an addressee is busy, the received mail may be unable to be opened immediately. Furthermore, aiming at the date and transmitting may become a burden for a transmitting person side. For example, the schedule of a board or a business trip may lap on the date which transmits e-mail. The technical problem of this invention is enabling it to mitigate a transmitting person's burden while it transmits mail including date assignment to suitable time and can notify an addressee of the content of e-mail certainly.

[0004]

[Means for Solving the Problem] An e-mail creation means by which the electronic mail equipment concerning claim 1 creates the mail with which assignment time was indicated, An e-mail transmitting means to transmit the mail created by this e-mail creation means, An assignment time extract means to extract the data of the assignment time indicated in the mail received with an e-mail receiving means to receive e-mail, and this e-mail receiving means, When current time reaches the assignment time extracted with the assignment time extract means, it has the composition of having the opening display means which indicates the received mail by opening.

[0005] The procedure A in which the medium concerning claim 3 creates the mail with which assignment time was indicated The procedure B of transmitting the mail created by this procedure A, and the procedure C of receiving e-mail When the time of in Japan [ which extract the data of the assignment time indicated in the mail received in this procedure C / Procedure D and present in Japan ] reaches the assignment time extracted in Procedure D, the program which performs the procedure E which indicates the received mail by opening is recorded.

[0006] When the mail with which assignment time was indicated is received according to this invention and current time reaches the assignment time, the mail is opened automatically and displayed.

[0007]

[Embodiment of the Invention] Hereafter, the operation gestalt of this invention is explained with reference to drawing. Drawing 1 is the block diagram of the system of the electronic mail equipment in the operation gestalt of this invention. Each of two or more terminals 100 of electronic mail equipment is always connected to the server 300 through the dedicated line 200. And a server 300 is accessed according to the timer interrupt generated for every fixed time amount, each terminal 100 asks whether the mail addressed to itself has arrived, and when having arrived, it receives the mail from a server 300.

[0008] In each terminal 100, CPU1 is connected to ROM2 and RAM3 inside a terminal, the keyboard 4, the display 5, the mouse 6, and the clock 7 of dc-battery actuation while it is connectable with a dedicated line 200 through the system bus. ROM2 has memorized the initial data in the program and initialization processing which CPU1 performs. RAM3 memorizes the data of the mail which was inputted from the keyboard 4 and to transmit, and the data of the mail received from the server 300. For this reason, as shown in drawing 2, the e-mail creation area 31, the address area 32, and the reception mail store area 33 are established in RAM3.

[0009] In the address area 32, the mail address of N individual of the address (1) - the address (N) is memorizable. Each address consists of Name and the address. Moreover, in the reception mail store area 33, M reception mails of mail (1) - mail (M) are memorizable. Each reception mail consists of data of the transmitting person address, a subject name, the text, receiving time, an opening assignment flag, and an opening flag. An opening flag is set to 0 when not opened, and when opened, it is a flag set to 1. Moreover, an opening assignment flag is a flag which shows whether it is mail including date assignment, or it is the mail which is not included, and is set to 1 at the time of mail including date assignment.

[0010] Next, actuation of an operation gestalt is explained with reference to the screen displayed on the flow chart and display 5 which are performed by CPU1. Drawing 3 is the flow chart of the main routine of CPU1. In this flow, after carrying out initialization processing (step S1), loop-formation processing of step S2 - step S8 is repeated and performed. In initialization processing, while displaying the screen (not shown) of a main menu, the e-mail creation area of RAM is cleared. In loop-formation processing, it distinguishes whether the e-mail mode flag MMF showing processing of the received mail is 1 (e-mail processing) (step S2). When this flag is 1, display processing of a receiving mailing list is performed (step S3), and when this flag is 0, others other than e-mail processing are processed (step S4).

[0011] It distinguishes whether the keyboard was scanned after processing of step S3 or S4, and it switched on (step S5). When turned on, the switch switched on distinguishes whether it is the e-mail switch which orders it e-mail processing (step S6). MMF is set to 1 when an e-mail switch is turned on (step S7). When it has set after the set of MMF, or to step S5 and the switch of a gap is not turned on, either, or when the switch switched on in step S6 is not an e-mail switch, automatic opening processing is performed (step S8). And it shifts to step S1, and processing to step S8 is repeated and performed.

[0012] Drawing 4 and drawing 5 are the flows of receiving mailing list display processing in step S3 of drawing 3, and drawing 6 is the receiving mailing list display screen. In drawing 4, a display is cleared (step S10) and the frame screen of reception

mail is displayed (step S11). Next, 1 is set to the pointer n which specifies the number of mail ( ) of the reception mail area of RAM (step S12), and the following loop-formation processings are performed, incrementing n. That is, the mail (n) specified by n is displayed (step S13), and it distinguishes whether the opening flag KAIFUF of the mail (n) is 0 (step S14). Since that reception mail is unopened when this flag is 0, unopened mark O is displayed on the left column of the identifier of the receiving mailing list of drawing 6 (step S15). In step S14, since the reception mail is already opened when KAIFUF (n) is 1, an unopened mark does not display.

[0013] Next, n is incremented (step S16) and it distinguishes whether n is below the maximum number (step S17). When n is below the maximum number, it distinguishes whether e-mail (n) is an opening (step S18). When it is not an opening, it shifts to step S13 and e-mail (n) is displayed on a screen. And the loop formation of step S13 - step S18 is repeated until e-mail (n) becomes an opening, and reception mail is displayed in order.

[0014] When Pointer n becomes larger than the maximum number in step S17, or when the mail (n) specified by n in step S18 is an opening, 1 is set to the register A which specifies the reception mail which carries out inverse video (step S19), and the inverse video of the e-mail (A) is carried out in the screen of drawing 7 (step S20). Therefore, the inverse video of the reception mail of the very head of a receiving mailing list is carried out at first.

[0015] Next, it indicates to a screen by cursor (step S21), and migration of a mouse is distinguished (step S22). When a mouse is moved, a cursor display position is moved according to the migration (step S23). And it distinguishes whether the mouse was clicked or not (step S24). When not clicked, it shifts to step S22 and migration of a mouse is distinguished. When a mouse is clicked, it distinguishes whether the cursor location at that time is a location of the receiving mailing list of a screen (step S25). In being the location of one of reception mails, it sets the e-mail number of a cursor location to Pointer A (step S26). And the inverse video of the e-mail (A) is carried out (step S27). Moreover, the other mailing list by which inverse video is carried out is usually made a display (step S28). Then, it shifts to step S22 and migration of a mouse is distinguished.

[0016] In step S25, when there is no cursor location on the screen of a mailing list, in the flow of drawing 5 , it distinguishes whether it is in the location of one switch of an opening switch, an e-mail creation switch, an address input switch, a deletion switch, and a cancellation switch among the icon switches which have a cursor location in the upper part of the screen of drawing 6 .

[0017] It distinguishes whether a cursor location is located in the location of an opening switch (step S29), in being in this location, it performs opening processing (step S30), and it shifts to step S11 of drawing 4 , and the frame screen of reception mail is displayed. It distinguishes whether when there is no cursor location in the location of an opening switch, a cursor location is located in the location of an e-mail creation switch (step S31), in being in this location, it performs e-mail creation processing (step S32), and it shifts to step S11 of drawing 4 , and the frame screen of reception mail is displayed.

[0018] It distinguishes whether when there is no cursor location also in the location of an e-mail creation switch, a cursor location is located in the location of an address input switch (step S33), in being in this location, it performs address input process (step S34),

and it shifts to step S11 of drawing 4 , and the frame screen of reception mail is displayed. It distinguishes whether when there is no cursor location also in the location of an address input switch, a cursor location is located in the location of a deletion switch (step S35), in being in this location, it deletes e-mail (A) from RAM (step S36), and the opening flag KAIFUF (A) is reset to 0 (step S37). Furthermore, reception mail is sorted to time order (step S38). Then, in order to shift to step S11 of drawing 4 and to display all reception mails except the eliminated reception mail, the frame screen of reception mail is displayed.

[0019] In step S35 of drawing 5 , it distinguishes whether when there is no cursor location also in the location of a deletion switch, a cursor location is located in the location of a cancellation switch (step S39), in being in this location, it clears the display of a receiving mailing list screen (step S40), and Flag MMF is reset to 0 (step S41). And this receiving mailing list display processing is ended. In step S39, when there is no cursor location also in the location of a cancellation switch, it shifts to step S22 of drawing 4 , and migration of a mouse is distinguished.

[0020] Drawing 7 is the flow of the opening processing in step S30 of drawing 5 . In this processing, the frame screen of the reception mail opening screen shown in drawing 8 is first displayed in piles on the receiving mailing list display screen of drawing 6 (step S42). And the address of the mail (A) by which inverse video was carried out to the destination address area of a this display within the limit is displayed (step S43), the subject name data of e-mail (A) are displayed on subject name area (step S44), and these data of e-mail (A) are displayed on this area (step S45). Moreover, the opening flag KAIFUF (A) is set to 1 (finishing [ opening ]) according to these opening directions (step S46).

[0021] Next, cursor is displayed on a screen (step S47), a mouse is moved, and it distinguishes whether it is \*\*\*\* (step S48). When moved, cursor is moved according to the migration (step S49). And it distinguishes whether the mouse was clicked or not (step S50). When not clicked, it shifts to step S48 and migration of a mouse is distinguished.

[0022] It distinguishes whether when a mouse is clicked, a cursor location is a location of a cancellation switch (step S51), and in being this location, the display of the reception mail opening screen of drawing 8 is cleared (step S52), and it ends this opening processing. When a cursor location is not a location of a cancellation switch, it distinguishes whether a cursor location is a location of a deletion switch (step S53). In being this location, the mail in reception mail area (A) is deleted (step S54), and it sorts the inside of the reception mail area of RAM (step S55). And the display of a reception mail opening screen is cleared (step S52), and this opening processing is ended. When a cursor location is not a location of a deletion switch in step S53, either, it shifts to step S48 and migration of a mouse is distinguished.

[0023] Drawing 9 is the flow of the e-mail creation processing in step S32 of drawing 5 . In this processing, the e-mail creation screen based on an e-mail buffer is displayed in piles on the receiving mailing list display screen of drawing 6 (step S56). When there are no data in an e-mail buffer, only the self-address is displayed in a frame screen in transmitting agency area like the e-mail creation screen shown in drawing 11 . And alphabetic character cursor is displayed on the address area of a screen (step S57), and cursor is displayed (step S58). Next, it distinguishes whether the mouse was moved or not (step S59), and when moved, the cursor location of a screen is moved according to the

migration (step S60). And when it distinguished and (step S61) clicks whether the mouse was clicked or not, it processes according to the cursor location in the e-mail creation screen of drawing 11.

[0024] It distinguishes whether a cursor location is a location of address input area (step S62), and in being this location, it moves alphabetic character cursor to address input area (step S63). It distinguishes whether when a cursor location is not a location of address input area, a cursor location is a location of subject name input area (step S64), and in being this location, it moves alphabetic character cursor to subject name input area (step S65). It distinguishes whether when a cursor location is not a location of subject name input area, a cursor location is a location of this input area (step S66), and in being this location, it moves alphabetic character cursor to this input area (step S67).

[0025] It distinguishes whether when a cursor location is not this input area, a cursor location is a location of an address list switch (step S68), and in being this location, it performs address list display processing (step S69). It distinguishes whether when a cursor location is not a location of an address list switch, a cursor location is a location of a transmitting switch (step S70), in being this location, it stores the self address in the transmitting address of the e-mail creation area of RAM (step S71), and transmitting processing is performed (step S72). And it distinguishes whether transmitting processing was completed (step S73). When having not ended, transmitting processing of step S72 is continued. When transmitting processing is completed, the data of an e-mail buffer are cleared (step S74), and the display of an e-mail creation screen is cleared, and (step S75) the flow of e-mail creation processing is ended.

[0026] In step S70, it distinguishes whether when a cursor location is not a location of a transmitting switch, a cursor location is a location of a cancellation switch (step S76), in being this location, it clears the content of the e-mail buffer (step S74), and an e-mail creation screen is cleared (step S75), and the flow of e-mail creation processing is ended. In step S76, it distinguishes whether when a cursor location is not a location of a cancellation switch, a cursor location is a location of an opening assignment switch (step S77), and in being in this location, it sets an opening assignment flag to 1 (step S78). When a cursor location is not a location of an opening assignment switch in step S77 after setting a flag or, it shifts to step S59 and migration of a mouse is distinguished.

[0027] In step S61, when the click of a mouse is not carried out, in the flow of drawing 10, it distinguishes whether a data input occurs from a keyboard (step S79). When there is no data input, it shifts to step S59 of drawing 9, and migration of a mouse is distinguished. When a data input is made, it distinguishes whether an alphabetic character cursor location is a location of address input area (step S80). In being this location, input data is displayed on address input area (step S81), and it stores input data in the address input area of an e-mail buffer (step S82). And alphabetic character cursor is moved to the alphabetic character input location of a degree (step S83).

[0028] In step S80, when an alphabetic character cursor location is not a location of address input area, it distinguishes whether an alphabetic character cursor location is a location of subject name input area (step S84). In being this location, input data is displayed on subject name input area (step S85), and it stores that input data in the subject name area of an e-mail buffer (step S86). And alphabetic character cursor is moved to the alphabetic character input location of a degree (step S87).

[0029] In step S84, when an alphabetic character cursor location is not a location of

subject name input area, it distinguishes whether an alphabetic character cursor location is a location of this input area (step S88). In being this location, input data is displayed on this input area (step S89), and it stores that input data in this area of an e-mail buffer (step S90). And alphabetic character cursor is moved to the alphabetic character input location of a degree (step S91).

[0030] In step S83, step S87, or step S91, after moving alphabetic character cursor, it shifts to step S59 of drawing 9, and migration of a mouse is distinguished.

[0031] Drawing 12 is the flow of address list display processing in step S69 of drawing 9, and drawing 13 is the address list display screen. In drawing 12, the frame screen of an address list is first displayed in piles on the e-mail creation screen of drawing 11 (step S92). Next, the pointer m in which an address number is shown is set to 1 (step S93), and the data of the address (m) specified by m are displayed (step S94). Next, m is incremented (step S95) and it distinguishes whether m exceeded the maximum number (step S96). When m is below the maximum number, it shifts to step S94 and the data of the address (m) are displayed. And each processing of step S94, and 95 and 96 is repeated until m exceeds the maximum number, incrementing m.

[0032] In step S96, when m exceeds the maximum number, 1 is set to Register A (step S97), and the inverse video of the address (A= 1) of the very head of an address list is carried out (step S98). Next, cursor is displayed on a screen (step S99), and it distinguishes whether the mouse was moved or not (step S100). When moved, a cursor location is moved according to the migration (step S101). Next, when not distinguishing and (step S102) clicking whether the mouse was clicked or not, it shifts to step S100 and migration of a mouse is distinguished.

[0033] When a mouse is clicked, it distinguishes whether a cursor location is a location of the address list of screens of drawing 13 (step S103). In being this location, it sets the number of the address of a cursor location to A (step S104). And the inverse video of the address (A) is carried out (step S105), and other address indication is usually given to a display (step S106). And it shifts to step S100 and migration of a mouse is distinguished.

[0034] In step S103, when a cursor location is not a location of an address list, it distinguishes whether a cursor location is a location of the new input switch of a screen (step S107). In being this location, it performs address input process (step S108). After termination of address input process shifts to step S92, and displays the screen of an address list including the new address.

[0035] In step S107, when a cursor location is not a location of a new input switch, it distinguishes whether a cursor location is a location of the cancellation switch of a screen (step S109). When it is this location, the display of the address list screen of drawing 13 is cleared (step S110), and the flow of address list display processing is ended.

[0036] When a cursor location is not a location of a cancellation switch, it distinguishes whether a cursor location is a location of the deletion switch of a screen (step S111). In being this location, the address (A) by which inverse video is then carried out is deleted from the address area of RAM (step S112), and it sorts address data in order (step S113). And it shifts to step S100 and migration of a mouse is distinguished.

[0037] In step S111, when a cursor location is not a location of a deletion switch, it distinguishes whether a cursor location is a location of O.K. switch of a screen (step S114). In being this location, the data of the address (A) are stored in an e-mail creation buffer (step S115), and it clears the display of the address list screen of drawing 13 (step



S116). And the flow of address list display processing is ended.

[0038] Drawing 14 and drawing 15 are the flows of the address input process in step S34 of drawing 5 , and step S108 of drawing 12 , and drawing 16 is the address input display screen. In drawing 14 , it distinguishes whether the area of the address (m) is an opening, setting to 1 the pointer m in which an address number is shown (step S117), and incrementing m (step S118). When this area is not an opening, it distinguishes whether m was incremented (step S119) and m exceeded the maximum number (step S120).

[0039] When m is below the maximum number, it shifts to step S118 and the area of the address (m) distinguishes whether it is an opening. And each processing of step S118, and 119 and 120 is repeated, it is vacant, and area is looked for. In step S120, since one does not have empty area when m exceeds the maximum number, a fixed time amount alarm display is performed (step S121). And the flow of address input process is ended.

[0040] In step S118, when there is the address (m) of empty area, the address input screen shown in drawing 16 is displayed in piles on a screen ( drawing 6 or screen of drawing 13 ) present on display (step S122). Moreover, while displaying cursor on this screen (step S123), alphabetic character cursor is displayed on Name input area (step S124).

[0041] Next, a mouse is moved, it distinguishes whether it is \*\* (step S125), and when moved, cursor is moved according to the migration (step S126). Next, when it distinguished and (step S127) clicks whether the mouse was clicked or not, it distinguishes whether a cursor location is a location of O.K. switch of a screen (step S128). When it is this location, an address input screen is cleared (step S129), and the flow of address input process is ended.

[0042] In step S128, when the clicked location is not a location of O.K. switch, it distinguishes whether a cursor location is a location of the cancellation switch of a screen (step S130). When it is this location, the content of the address (m) is cleared (step S131), and the flow of address input process is ended.

[0043] In step S130, when a cursor location is not a location of a cancellation switch, in the flow of drawing 15 , it distinguishes whether a cursor location is a location of Name (step S132). When it is this location, alphabetic character cursor is moved to Name input area (step S133). In step S132, when a cursor location is not a location of Name, a cursor location distinguishes whether it is the location of an address input (step S134). When it is this location, alphabetic character cursor is moved to address input area (step S135). When a cursor location is not a location of an address input in step S134 after moving alphabetic character cursor in step S133 or step S135 or, it shifts to step S125 of drawing 14 , and migration of a mouse is distinguished.

[0044] When a mouse is not clicked in step S127 of drawing 14 , in the flow of drawing 15 , it distinguishes whether the data input was carried out from a keyboard (step S136). When a data input is carried out, it distinguishes whether an alphabetic character cursor location is a location of Name input area, or it is the location of address input area (step S137). When it is the location of Name input area, input data is displayed on Name input area (step S138), and input data is stored in the Name input area of the address (A) of RAM (step S139).

[0045] In step S137, when an alphabetic character cursor location is a location of an address input, input data is displayed on address input area (step S140), and input data is stored in the address area of the address (A) of RAM (step S141). In step S139 or step S141, after storing input data, an alphabetic character cursor location is moved (step

S142). When a data input is not carried out from a keyboard in step S136 after moving alphabetic character cursor or, it shifts to step S125 of drawing 14, and migration of a mouse is distinguished.

[0046] Drawing 17 is the flow of the automatic opening processing in step S8 of the Maine flow of drawing 3. In this processing, first, 1 is set to Pointer n (step S144), and the following loop-formation processings are performed, incrementing n. That is, it distinguishes whether the opening assignment flag of mail (n) of the reception mail store area of RAM is 1 (step S145), and processing according to the value of this flag is performed. the keyword (henceforth specific WORD) of the specification in the text of e-mail (n) when an opening assignment flag is 1 -- it is (" ") -- it distinguishes whether it is or not (step S146). When there is no specific WORD, it is regarded as a transmitting person's input mistake, an opening assignment flag is reset to 0 (step S147), and n is incremented (step S148). In step S145, when an opening assignment flag is not 1, it shifts to step S148 and n is incremented. And it distinguishes whether n exceeded the maximum number (step S149).

[0047] When n is below the maximum number, it shifts to step S145 and the value of the opening assignment flag of e-mail (n) is distinguished. The value which the opening assignment flag was 1, and subtracted predetermined time from the time indicated by the register of the assignment time of RAM in specific WORD (" ") when specific WORD was in the text in step S146 is set (step S150). For example, like mail of drawing 8, when it will be the time indicated inside (" ") in 10:00 a.m. on March 1 and predetermined time is 24 hours, 10:00 a.m. on February 28 are set to a register.

[0048] Next, it distinguishes whether the current time read from the clock was compared with the assignment time stored in the register, and current time reached assignment time (step S151). When assignment time is not reached, it shifts to step S148 and n is incremented. When current time reaches assignment time, the opening assignment flag of e-mail (n) is reset to 0 (step S152), and it sets to the pointer A of the mail which carries out the inverse video of the value of n (step S153). And opening processing of the flow of drawing 7 is performed (step S154). The flow of this automatic opening processing is ended after opening processing. In step S149, since there is no mail of opening time assignment when n exceeds the maximum number, the flow of automatic opening processing is ended.

[0049] Drawing 18 is the flow of timer interrupt processing. If timer interrupt enters, it will connect with a server (step S155), and will distinguish whether there is any new reception mail (step S156). When there is new reception mail, the opening of the reception mail store area of RAM is looked for setting Pointer n to 1 (step S157), and incrementing n. That is, it distinguishes whether e-mail (n) is an opening (step S158), and in not being an opening, it increments n (step S159). And it distinguishes whether n exceeded the maximum number (step S160).

[0050] When n is below the maximum number, it shifts to step S158 and the opening of reception mail store area is looked for. E-mail (n) is vacant, and comes out, and reception mail new in a certain case is stored in e-mail (n) (step S161). In step S160, when n exceeds the maximum number, the number of mail of the oldest receiving time is set to n (step S162), it shifts to step S161, and new reception mail is stored in e-mail (n). That is, mail of the oldest receiving time is deleted and new reception mail is stored in the area. Next, the opening flag of e-mail (n) is reset to 0 (step S163). And a server is cut (step

S164) and it returns to the Maine flow of drawing 3 .

[0051] According to the above-mentioned operation gestalt, thus, CPU1 An e-mail creation means to create the mail with which assignment time was indicated, an e-mail transmitting means to transmit the mail created by this e-mail creation means, An e-mail receiving means to receive e-mail, an assignment time extract means to extract the data of the assignment time indicated in the mail received with this e-mail receiving means, And when current time reaches the assignment time extracted with the assignment time extract means, the opening display means which indicates the received mail by opening is constituted.

[0052] Furthermore, you may make it the configuration which consists of a keyword detection means to detect the specific keyword indicated in e-mail in the assignment time extract means in this case, and a data extraction means to extract the data of the assignment time specified by the keyword detected by this keyword detection means.

[0053] By such configuration, when the mail with which assignment time was indicated is received and current time reaches the assignment time, the mail is opened automatically and displayed. Therefore, while transmitting mail including date assignment to suitable time and being able to notify an addressee of the content of e-mail certainly, the effectiveness that a transmitting person's burden is mitigable is acquired.

[0054] In addition, although the assignment time which subtracted predetermined time from the time indicated in the specific WORD within the text of reception mail (" ") was made to perform automatic opening, you may make it specify opening time directly by the transmitting person side in the above-mentioned operation gestalt. For example, when it will be the board holding date in 10:00 a.m. on March 1, you may input into the tail of "10:00 a.m. on February 28", and this area, or other area. In this case, since a transmitting person can determine opening time, it can take into consideration to the location of a board of e-mail, the time amount of data preparation, an addressee's character, etc., and the most suitable time can be made to carry out automatic opening. Furthermore, like congratulation mail of a birthday, also when assignment time does not enter directly in the text, it is effective. Moreover, when an opening assignment switch is clicked on the e-mail creation screen of drawing 11 , specific WORD (" ") is displayed on the suitable area of a screen, and you may make it demand the input of opening time from a transmitting person. In this case, a transmitting person can prevent the input mistake of the board holding date. When the item column of opening assignment time is independently prepared in the inside of the text, or other area, the part is not displayed on the screen of reception mail.

[0055] Moreover, although the electronic mail equipment of the dedication which, in addition, stored the program which transmits and receives an electronic mail in ROM2 in the above-mentioned operation gestalt was explained, the program which transmits and receives an electronic mail may be recorded on media, such as a floppy disk and a magneto-optic disk, and you may make it the configuration which makes equipments, such as a general-purpose personal computer and a word processor, perform this program.

[0056] Namely, the procedure A which creates the mail with which assignment time was indicated and the procedure B of transmitting the mail created by this procedure A When the procedure D of extracting the data of the assignment time indicated in the mail received in the procedure C of receiving e-mail, and this procedure C, and current time

reach the assignment time extracted in Procedure D Invention of an operation gestalt is realizable by making it record through the program which performs the procedure E which indicates the received mail by opening, and driving this medium with general-purpose equipment.

[0057]

[Effect of the Invention] When the mail with which assignment time was indicated is received according to this invention and current time reaches the assignment time, the mail is opened automatically and displayed. Therefore, while transmitting mail including date assignment to suitable time and being able to notify an addressee of the content of e-mail certainly, the effectiveness that a transmitting person's burden is mitigable is acquired.

## CLAIMS

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[Claim(s)]

[Claim 1] Electronic mail equipment characterized by providing the following An e-mail creation means to create the mail with which assignment time was indicated An e-mail transmitting means to transmit the mail created by this e-mail creation means An e-mail receiving means to receive e-mail It is the opening display means which indicates said received mail by opening when an assignment time extract means to extract the data of the assignment time indicated in the mail received with this e-mail receiving means, and the assignment time from which current time was extracted with said assignment time extract means are reached.

[Claim 2] Said assignment time extract means is electronic mail equipment according to claim 1 characterized by consisting of a keyword detection means to detect the specific keyword indicated in e-mail, and a data extraction means to extract the data of the assignment time specified by the keyword detected by this keyword detection means.

[Claim 3] The procedure A which creates the mail with which assignment time was indicated, and the procedure B of transmitting the mail created by this procedure A The procedure D of extracting the data of the assignment time indicated in the mail received in the procedure C of receiving e-mail, and this procedure C It is the medium which recorded the program which performs the procedure E which indicates said received mail by opening when the time of present in Japan reaches the assignment time extracted in said procedure D.

[Claim 4] Said procedure D is the medium which recorded the program according to claim 3 characterized by consisting of a procedure D1 of detecting the specific keyword indicated in e-mail, and a procedure D2 of extracting the data of the assignment time specified by the keyword detected by this procedure D1.